

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1. **(Currently Amended)** A method of establishing a network connection from a mobile computing device to a data source on a foreign network, the method comprising:

configuring a first network connection between a mobile computing device and a foreign network via a home network;

determining that a data source for data requested by the mobile computing device originates from within the foreign network;

breaking at least a portion of the first network connection; and then

establishing a second network connection between the mobile computing device and the data source within the foreign network, wherein the second network connection does not use a care-of-address assigned by the foreign network.

2. **(Previously Presented)** A method according to claim 1, which uses Session Initiation Protocol (SIP) to initiate the breaking of the first network connection.

3. **(Previously Presented)** A method according to claim 1, in which at least one of the home network and the foreign network comprises a plurality of sub connections and the method is applied to at least one of the sub connections.

4. **(Previously Presented)** A method according to claim 1, in which the portion of the first network connection with the home network that is broken is re-established once data is no longer being requested from the data source by the mobile computing device.

5. (Previously Presented) A method according to claim 1 in which MobileIP is used to maintain a network connection with the foreign network.

6. (Previously Presented) A method according to claim 1 in which the mobile computing device is assigned an IP address within the foreign network for transmission of data that originates from the foreign network.

7. (Previously Presented) A method according to claim 6 in which MobileIP is used to maintain a network connection with the foreign network and the IP address assigned to the mobile computing device is used instead of a care of address assigned by the MobileIP for data that originates within the foreign network.

8. (Previously Presented) A method according to claim 1, wherein prior to establishing the second network connection, the method includes at least one of:

assessing security implications in assigning a new IP address to the mobile computing device;

determining bandwidth availability on the foreign network; and

determining a number of routers/switches required for the new connection.

9. (Currently Amended) A computing device within a foreign network configured to determine that a network address of a data source, from which a mobile computing device operating in the foreign network, is requesting data, is in the same foreign network, the computing device further configured to assign an IP address to the mobile computing device to use whilst performing one of requesting and receiving data originating from within the foreign network. the computing device further configured to then establish a network connection between the mobile computing device and the data source without using a care-of address~~care-of-address~~ assigned by the foreign network.

10. (Canceled).

11. (Currently Amended) The computing device, according to ~~claim 10~~claim 9, further configured to stop using the assigned IP address once data no longer originates from within the foreign network.

12. (Currently Amended) A processing device configured to control the establishment and dropping of network connections within a first network,

the processing device configured to allow a computing device to make a new network connection within the first network while maintaining a first network connection to another network,

the processing device being arranged to provide the computing device with a ~~care-of address~~care-of address,

the computing device comprising a data transfer controller configured to determine that data, transmitted to the computing device, originates from within the first network,

the computing device configured to assign a network address, comprising an IP address,
once it has been determined that the care-of address should not be used and

wherein the processor device is configured to transmit data to the computing device without using the ~~care-of address~~care-of address.

13. (Canceled).

14. (Previously Presented) A processing device according to claim 12, configured to assess at least one of the following parameters before determining that the care of address should not be used: security implications for the first network; whether there is sufficient bandwidth in the first network to support the new connection; and whether a new network connection would be faster/slower than the network connection to the other network.

15. (Previously Presented) A foreign network configured to:

establish a first network connection between a computing device in a foreign network and a data source in the foreign network, using a care of address;

determine at least one of: bandwidth requirements, number of network devices required,

and security implications, of a second network connection from the computing device to the data source that does not use the care of address;

establish a second network connection for the computing device in the foreign network without using the care of address after the determining; and then

break the first network connection that uses the care of address.

16. (Original) A memory storing instructions which when read on to at least one processing device cause that processing device to perform the method of claim 1.

17. (Previously Presented) A memory storing instructions which when read on to a processing device cause that processing device to function as the computing device of claim 9.

18. (Previously Presented) A memory storing instructions which when read on to a processing device cause that processing device to function as the processing device of claim 12.

19. (Original) A memory storing instructions which when read on to a processing device running a network cause the network to function as the network of claim 15.

20. (Previously Presented) A method of establishing network connectivity between a mobile computing device operating within a foreign network and a data source within the foreign network, the method comprising:

providing the mobile computing device with a care of address and establishing a first network connection to the data source using the care of address;

determining that data requested by the mobile computing device originates from within the foreign network;

breaking at least a portion of the first network connection that uses the care of address; and

assigning a network address, other than the care of address, to the mobile computing device such that data, originating from the foreign network, is sent to the mobile computing

device using the network address rather than the care of address for that portion of the first network connection that was broken.

21. (Previously Presented) A device configured to establish a network connection and communicate with a home network, the device configured to determine the origin of data transmissions and further configured to receive a care of address by a foreign network, the care of address being used to enable data transmission between the device and the home network, the device being arranged to then communicate with the foreign network without using the care of address if it is determined that data being sent to the device originates within the foreign network.

22. (Previously Presented) A server operating on a first network, the server configured to sequentially:

- provide a care of address to at least one computing arrangement on the first network;
- connect the computer arrangement to another network using the care of address
- determine that data being transmitted to the computer arrangement originates from a data source within the first network; and
- connect the computing arrangement to the data source without using the care of address.

23. (Previously Presented) A second computer network comprising a computing arrangement configured to establish a second network connection whilst maintaining a first network connection to a first network, the first network connection using a care of address assigned to the computer arrangement, the second network comprising a data transfer controller configured to determine that data, transmitted to the computing arrangement originates from within the second network, the data transfer controller further configured to determine whether the data should be transmitted without the use of the care of address.

24. (Previously Presented) A method of establishing a network connection allowing a computing device operating on a foreign network to receive data from a data source within the foreign network, without the use of a care of address associated with the computing device, the

method sequentially:

establishing a first network connection between the computing device and a home network using a care of address assigned to the computing device;

determining that data requested by the computing device originates from a data source within the foreign network; and disconnecting at least a portion of the first network connection; and

establishing a second network connection between the data source within the foreign network and the computing device operating in the foreign network for that portion of the first network connection that was disconnected by assigning an IP address to the computing device for transmission of data that originates from the foreign network.

25. (Original) A method according to claim 24 in which at least one of the foreign network and home network comprises a plurality of channels and the method is applied to at least one of the channels.

26. (Previously Presented) A method according to claim 24 which uses the Session Initiation Protocol (SIP) to initiate the breaking of the first network connection to the home network.

27-28. (Cancelled).